

Amendments to the Abstract are as follows:

Provided is a method of manufacturing a high-precision holder-mounted optical element that makes it possible to correct a volume error of an optical element material and reduces an error in a holder shape. A cylindrical holder material 10a having a thin deformed portion 17 is located in a press forming die 60. An optical element material 20a is installed inside the holder material 10a and the holder material 10a and the optical element material 20a are heated to their respective softening temperatures, thereby forming a cylindrical holder 10 from the holder material 10a and an optical element 20 from the optical element material 20a by press forming the holder material 10a and the optical element material 20a that have been heated to their respective softening temperatures. Thus, the optical element 20 is integrated inside the holder 10 and the deformed portion 17 of the holder 10 is deformed towards the outside thereof by a pressing force applied by the optical element 20.